



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Lisa A. Fillebrown, et al.

Serial No.

09/773,885

Filed

February 1, 2001

For

PERSONAL WIRELESS NETWORK

Group No.

2155

Examiner

Philip B. Tran

MAILSTOP AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

DECLARATION OF PRIOR INVENTION UNDER 37 C.F.R. 1.131

- 1. This declaration is being made to establish invention of the subject matter of this application, in the United States (or a NAFTA or WTO country), on a date prior to the effective date of United States Patent No. 6,721,787 (the "Reference"), which was cited by the U.S. Patent and Trademark Office in an Office Action having a mailing date of May 19, 2005.
- 2. The person(s) making this Declaration are the named inventor(s) whose signature(s) appear(s) below.
- 3. Upon information and belief, the effective date of the Reference is February 10, 2000.

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- 4. Attached to this Declaration is a document entitled "Bluetooth Strategy Review" (31 pages), which was prepared and distributed internally at Nextcell (our former employer and the predecessor to the assignee of the present application) on or before February 9, 2000. The present invention is described in the attached document (see, e.g., pages 9 et seq.). Accordingly, the present invention was conceived prior to the effective date of the Reference.
- 5. The United States provisional patent application, upon which the present application properly claims priority, was filed on June 16, 2000, approximately four months after the effective date of the Reference. Accordingly, there was due diligence from prior to the effective date of the Reference to the filing of the present application.
- 6. As demonstrated above, the invention in the present application was conceived at least as early as February 9, 2000, prior to the effective date of the Reference, and was coupled with due diligence from prior to such effective date to the filing of the present application.
- 7. Upon information and belief, this Declaration is being submitted prior to a final rejection of the present application.
 - 8. As a person signing below:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the present application or any patent issued thereon.

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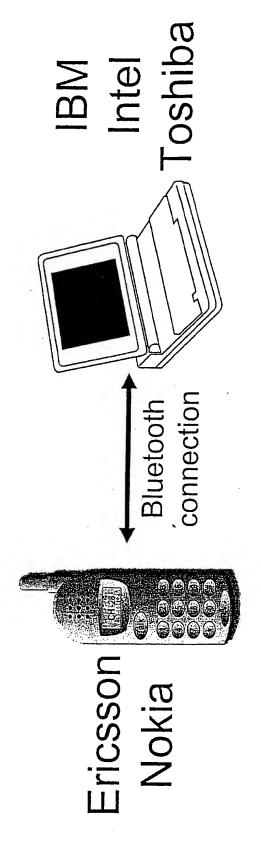
Inventor: Lisa A. Fillebrown				
Inventor Residence:				
Inventor Country of Citizenship: U.S.A.				
Inventor Signature:				
Inventor: Kenneth M. Glover				
Inventor Residence: 565 INDIAN ROCK DR.				
COPPULL, TX 75019				
Inventor Country of Citizenship: U.S.A.				
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Inventor: Russell D. Kautz				
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Inventor Country of Citizenship: U.S.A.				
Inventor Signature: Susull Kart				
- Symma / Com				

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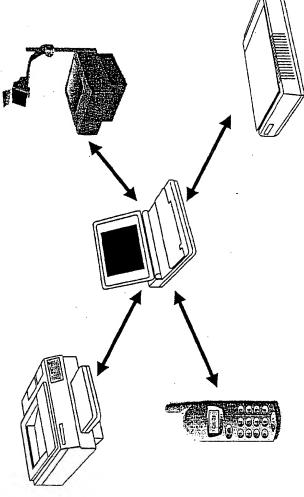
Bluetooth Strategy Review

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Wireless Phone - Computer merge The Bluetooth Beginning

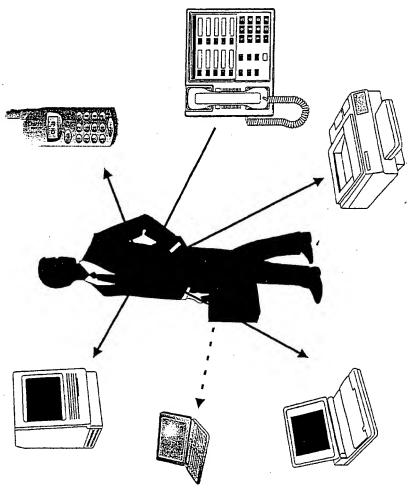


-Cable Replacement-Bluetooth Evolution



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Bluetooth Evolution Personal Area Network



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Bluetooth's Target Usage

- Personal Area Network (PAN)
- Point to point data transfer
- Components are low cost commodities
 - No RF expertise required to implement

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Typical Bluetooth Implementation

- customers, or to add new functionality. Companies will be adding Bluetooth to differentiation, re-sell to existing existing products to make product
- products', only current products that have There is little talk about 'Bluetooth been Bluetooth enabled.

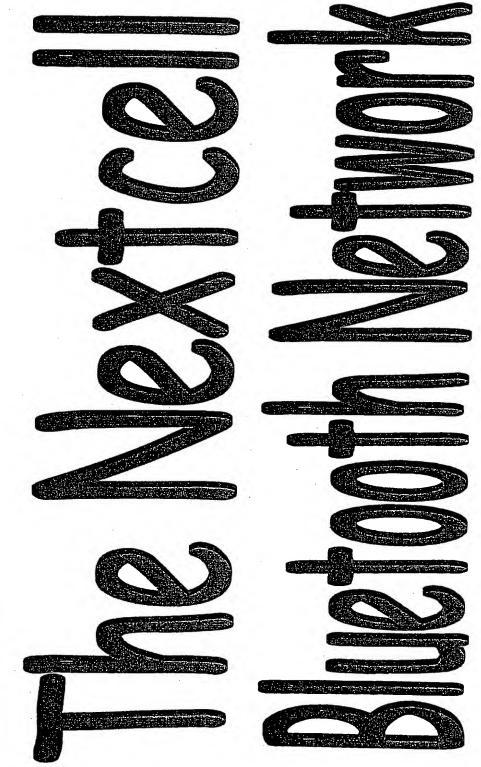
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Typical implementation applied to Nextcell

- GPRS products will only marginally Adding Bluetooth to our CDPD or increase number of sockets.
- other outside factors such as traffic Total sales will still depend more on speed and cost, infrastructure, and applications.

Nextcell's Opportunities

- Take a system view of Bluetooth
- Develop a implementation radically different then the rest of the Bluetooth community.
- be new to Nextcell and unique in the Develop in a product area which will market.



Wing a Bluetooth Network?

Simpler Scalability

· Cheaper (802.11 and Bluetooth)

Portability

Adhoc Nature

BT Scatternet Experts

Current BT market focusing on Point-to-Point

Multi-market appeal

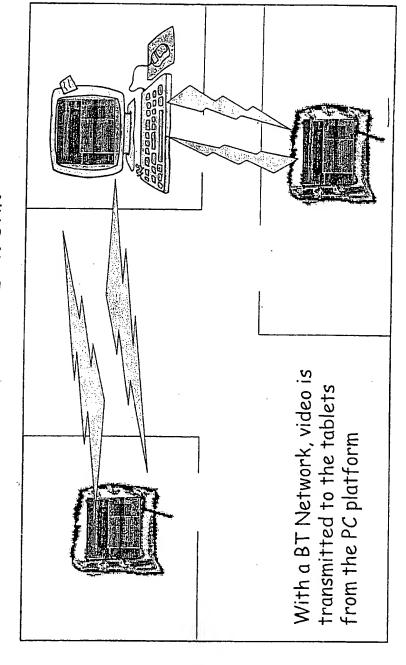
· Consumer/home

SOHO

Enterprise

Industry specific

FUTURE NETWORK



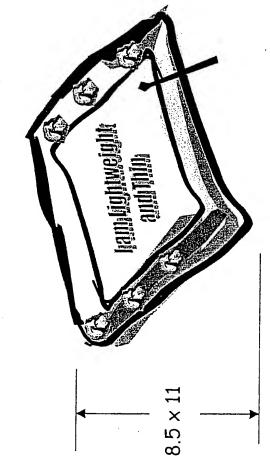
Home Network Components

- Hardware
- HW interface to PC with BT module
- **BT** Tablet
- Software Applications running on the PC
- SW to launch applications SW to route video to a BT Device SW to perform network routing
- SW keyboard for data input

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- Better Graphics

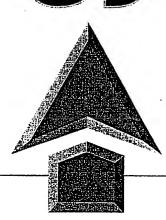
- Increase Size of the Display
 Lower Cost
 Real-Time Video
 Support
 Keyboard
 Different Stylus
 Types
 802.11 Support
 Credit Card Readers
 (point-of-sale)



Texton

Painty Table Component Cast

LCD \$80
Processor \$20
Battery \$20
Charger \$10
Audio \$5
BT module \$15
Packaging \$20
Assembly \$20



DIFFERENTIAL OFS

Palm Pilot

Laptop

eBook Reader



BT Tablet costs

BT Tablet can access

Better Graphics BT Tablet has

other BT devices and PC SW Applications

BT Tablet has Better Graphics

BT Tablet has Interne Access

BT Tablet can access other BT devices and PC SW Applications

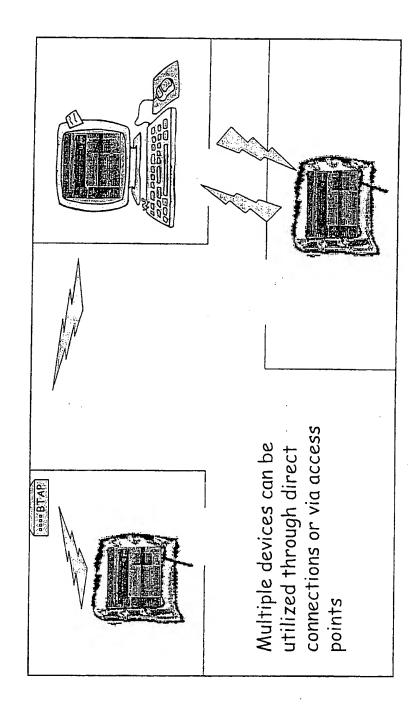
SOLITOR YOUR SHOP

- Used as a wireless extension of the PC within the home
 - Video output is transmitted via BT link to tablet(s)
 - User has access to all applications on the PC
- Tablet could also act as a device dependent portal for advertising, as well as Internet surfing and eBooks access
- Video refresh rate over a 732.2 Kbps asynchronous channel is approximately 3.4 seconds
- Tablet has potential to access other BT devices
- 3rd party devices
- Additional BT Nextcell devices
- BT to IR/IR to BT converter (consolidate remote controls)
 - BT repeater
- Architect the solution for expansion via software upgrade
 - Nextcell controlled code

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- Two target markets
- SOHO
- Enterprise
- Consumer product solution could be used for supporting a small number of devices in a small office setting
- Enterprise
- Additional network capability can be added to enhance the overall solution

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- Additional network capabilities
- BT Server
- Server product that facilitates BT-specific applications
 - Integrated 802.11 transceiver operating at 5.2 GHz
 - **BT** Access Point
- Utilize alternative wireless access in conjunction with BT for transport • 802.11 at 5.2 *GHz*
- PBX interface
- Port PBX information/functionality to tablet
 - CID to tablet when away from desk
 - Unified messaging
- Phone setup and management
- Potential for remote voice support

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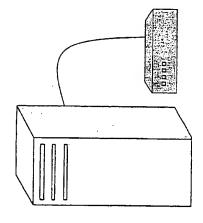
802.11 Capability - Used with BTAP

Manages multiple network interconnections

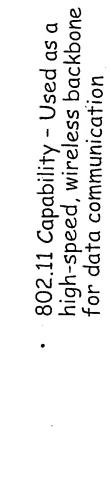
Would implement BT specific applications

Would follow LAN access profile defined by BT SIG

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Used for Picking up to 7 Bluetooth Devices that are within 100 meters from BTAP Spaced every 100 meters or

May be used in every office for Bluetooth devices.



Enterpise Network Concepts

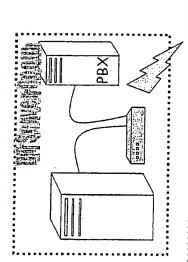
Server and/or workstation access

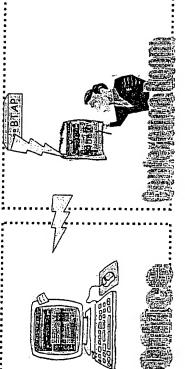
Inter-office paging/messaging

Whiteboard/application sharing

Handwriting recognition

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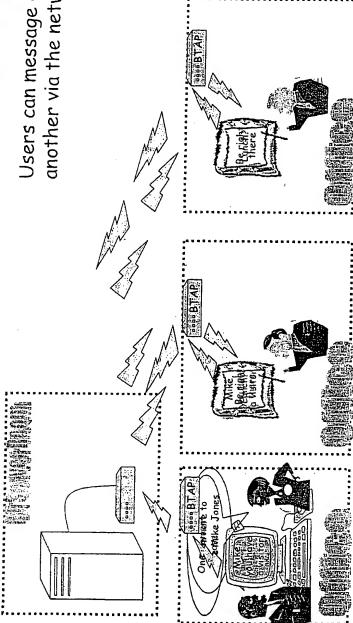




The user also has the option to access the BT enabled server for specific applications

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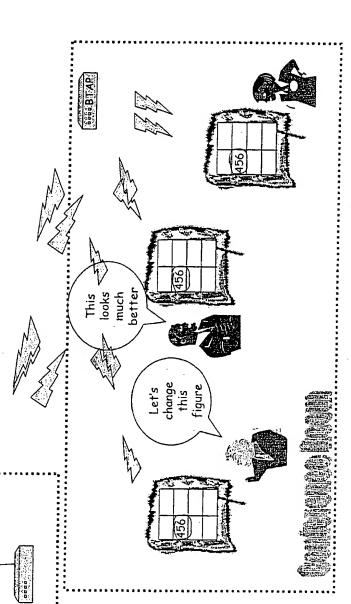
another via the network Users can message one



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it eboard Application Staring

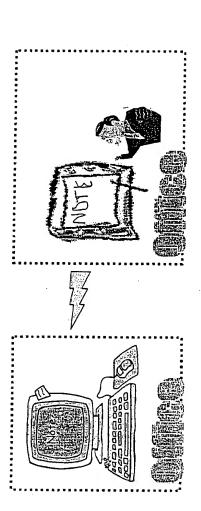
Documents can be markedup with digital ink to allow dynamic interaction



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Handwriting Recognition

Once the data is transferred, an application is executed against the digital ink information



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AUXIION SISTEM COMPONENTS

Real time Video

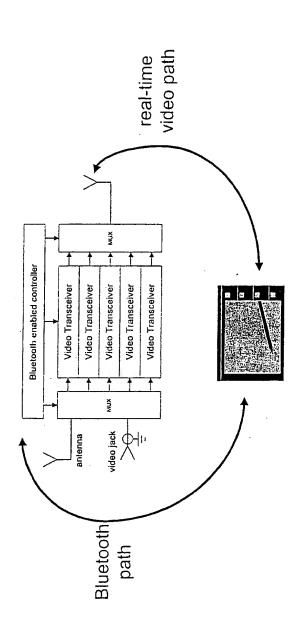
Wireless keyboard

BT Phone

HomeRF adapters

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Adding real time video to the Bluetooth Network



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Take and fill orders, billing Restaurants |

Test taking, reading

Less equipment

Schools

Sales

Access Records

Internet Access Hospitals Airplanes

use with AOL Hotels

Custom Application Design

Opportunity to design and develop industry specific solutions incorporating the product(s)

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Content Relationship Approach

- Could we subsidize the HW cost with content relationship for a particular service?
- Partner with solution specific web entity
- Design application(s) that are only accessible through the BT Network design
- · Device dependent portal
- Service examples
- Autobytel
 Vehicle specific transaction service
 - PeaPod
- Shopping application
- Aether
- Real-time trading and market information
 - Portfolio management
- Day trading
- Utilize web-centric programming guides for creation of custom remote control and viewing options

Next Steps Towards Defining the Project

- Tablet Graphics
- Analyze LCD display options
- Learn 'touch screen' technology
- Get familiar with graphics files, compression and transmission options
- Server Architecture
- Research remote application startup in virtual video mode
- Research sending video over serial port
 - Further define routing requirements
- Bluetooth Component
- Start a Bluetooth emulation over a COM1 serial port
- Start designing L2CAP layer

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